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WHAT IS CLAIMED IS:

- An isolated antibody which binds to a polypeptide having at least 80% amino acid sequence identity to:
- (a) the amino acid sequence shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10);
- (b) the amino acid sequence shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), lacking its associated signal peptide;
- (c) an amino acid sequence of the extracellular domain of the polypeptide shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), with its associated signal peptide;
- (d) an amino acid sequence of the extracellular domain of the polypeptide shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), lacking its associated signal peptide;
- (e) an amino acid sequence encoded by the nucleotide sequence shown in Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or Figure 5 (SEQ ID NO:5); (f) an amino acid sequence encoded by the full-length coding sequence of the nucleotide sequence shown in Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or Figure 5 (SEQ ID NO:5); or
- (g) an amino acid sequence encoded by the full-length coding sequence of the cDNA deposited under any ATCC accession number shown in Table 7.
 - The antibody of Claim 1 which binds to a polypeptide comprising:
- (a) the amino acid sequence shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10);
- (b) the amino acid sequence shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), lacking its associated signal peptide;
- (c) an amino acid sequence of the extracellular domain of the polypeptide shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), with its associated signal peptide;
- (d) an amino acid sequence of the extracellular domain of the polypeptide shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), lacking its associated signal peptide;
- (e) an amino acid sequence encoded by the nucleotide sequence shown in Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or Figure 5 (SEQ ID NO:5);
- (f) an amino acid sequence encoded by the full-length coding sequence of the nucleotide sequence shown in Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or Figure 5 (SEO ID NO:5); or

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- (g) an amino acid sequence encoded by the full-length coding sequence of the cDNA deposited under any ATCC accession number shown in Table 7.
 - 3. The antibody of Claim 1 which is a monoclonal antibody.
- The antibody of Claim 1 which is an antibody fragment.
 - 5. The antibody of Claim 1 which is a chimeric or a humanized antibody.
 - 6. The antibody of Claim 1 which is conjugated to a growth inhibitory agent.
 - The antibody of Claim 1 which is conjugated to a cytotoxic agent.
 - The antibody of Claim 7, wherein the cytotoxic agent is selected from the group consisting of toxins, antibiotics, radioactive isotopes and nucleolytic enzymes.
 - 9. The antibody of Claim 7, wherein the cytotoxic agent is a toxin.
 - The antibody of Claim 9, wherein the toxin is selected from the group consisting of maytansinoid and calicheamicin.
 - 11. The antibody of Claim 9, wherein the toxin is a maytansinoid.
 - 12. The antibody of Claim 1 which is produced in bacteria.
 - 13. The antibody of Claim 1 which is produced in CHO cells.
 - 14. The antibody of Claim 1 which induces death of a cell to which it binds.
 - 15. The antibody of Claim 1 which is detectably labeled.